

New Patent Application
Docket No. 32860-000639/US~~Patent Claims~~ What is claimed is:

1. A method for asynchronously transferring at least one message signal (25) from a server computer (10) to at least one client computer (15),
~~comprising~~ characterized by the following steps:
 - a) ~~_____~~ assigning the at least one message signal, when the at least one message signal (25) appears on the server computer (10), the message signal is assigned at least one further message signal (27, 28, 29);
 - b) ~~_____~~ writing the at least one further message signal (27, 28, 29) is written to at least one pipe of (35, 37, 39) which the server computer (10) comprises as a communication means;
 - c) ~~_____~~ transmitting the at least one further message signal, (27, 28, 29) is transmitted by means of via the at least one pipe, (35, 37, 39) to at least one servlet of (40) which the server computer (10) comprises; and
 - d) ~~_____~~ transferring the at least one further message signal from (27, 28, 29) is transferred by means of the at least one servlet (40) to the client computer (15) via a transfer channel connection (17).
2. The method as claimed in claim 1, wherein
~~characterized in that~~ the client computer ~~includes (15) comprises~~ at least one communication software program (50) ~~which is, the method including using the at least one communication software program used to set up a the connection to the servlet (40) and which is used to execute an audio program (62), of which the server computer (10) comprises and which is associated with the at least one further message signal (27, 28, 29), on the client computer (15).~~
3. The method as claimed in claim 1 ~~or 2, wherein~~
~~characterized in that~~ a connection from the client computer (15) to the server computer (10) is set up only when needed.
4. The method as claimed in ~~one of claims claim 1 to 3, wherein,~~
~~characterized in that~~ while the client computer (15) is connected to the server computer (10), a first access operation by the client computer (15) to the server

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computer (10) prompts a communication program ~~(70)~~ of the which the servlet (40) ~~comprises~~ to start, and further access operations by the client computer (15) to the server computer (10) prompt monitoring of whether ~~thesaid~~ communication program is currently running.

5. The method as claimed in claim 4, wherein ~~characterized in that~~ the communication program ~~(70)~~ is used to transmit an identification information item for the ~~pipe (27, 28, 29)~~ to the servlet ~~(40)~~.

6. The method as claimed in claim 5, ~~characterized in that~~ wherein the identification information item includes at least one ~~of comprises~~ a descriptor and/or a software address for the pipe ~~(27, 28, 29)~~.

7. The method as claimed in ~~one of claims 1 to 6~~ claim 1, wherein ~~characterized in that~~ the connection includes a transfer channel, including (17) ~~comprises~~ at least part of at least one of the Internet and/or an intranet.

8. An apparatus ~~(1)~~ for asynchronously transferring at least one message signal ~~(25)~~, characterized by the following components comprising:

_____ a server computer (10), including comprising at least one pipe (25, 27, 29) as a communication means, which is capable of assigning adapted to assign the at least one message signal (25), when it appears, a further message signal (27, 28, 29) and adapted to write of writing the further message signal (27, 28, 29) to the the at least one pipe (25, 27, 29);

• at least one servlet ~~(40)~~ which of the server computer (10) comprises and, to which the further message signal (27, 28, 29) can is adapted to be transmitted viaby means of the at least one pipe (25, 27, 29);

_____ a transfer channel ~~(17)~~; and

_____ at least one client computer, ~~(15)~~ to which the further message signal is adapted to (27, 28, 29) can be transferred by the server computer (10) using the servlet (40).

9. The apparatus ~~(1)~~ as claimed in claim 8, wherein

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~~characterized in that the client computer (15) comprises~~includes a communication software program (50) ~~which can be used, adapted to~~to set up a connection to the servlet (40) and ~~which can be used~~adapted to execute an audio program (62), which the server computer (10) ~~comprises~~includes and which is associated with the further message signal, on the client computer (15).

10. The apparatus (1) as claimed in claim 8 ~~or 9~~, wherein ~~characterized in that the servlet includes (40) comprises~~ a communication program (70) ~~which can~~adapted be executed upon a first access operation by the client computer (15) on the server computer (10) and ~~adapted to~~can be checked upon further access operations by the client computer (15) to the server computer (10) in order to determine whether it is currently running.

11. The apparatus (1) as claimed in claim 10, wherein ~~characterized in that the communication program (70) can~~is adapted to be used to transmit an identification information item for the pipe (27, 28, 29) to the servlet (40).

12. The apparatus (1) as claimed in claim 11, wherein ~~characterized in that the identification information item comprises~~includes at least one of a descriptor and/or a software address for the pipe (27, 28, 29).

13. The apparatus (1) as claimed in ~~one of claims claim 8 to 12~~, wherein ~~characterized in that the transfer channel includes (17) comprises~~ at least part of at least one of the Internet and/or an intranet.

14. The method as claimed in claim 2, wherein a connection from the client computer to the server computer is set up only when needed.

15. The method as claimed in claim 2, wherein, while the client computer is connected to the server computer, a first access operation by the client computer to the server computer prompts a communication program of the servlet to start, and

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further access operations by the client computer to the server computer prompt monitoring of whether the communication program is currently running.

16. The method as claimed in claim 15, wherein the communication program is used to transmit an identification information item for the pipe to the servlet.

17. The method as claimed in claim 16, wherein the identification information item includes at least one of a descriptor and a software address for the pipe.

18. The method as claimed in claim 3, wherein, while the client computer is connected to the server computer, a first access operation by the client computer to the server computer prompts a communication program of the servlet to start, and further access operations by the client computer to the server computer prompt monitoring of whether the communication program is currently running.

19. The method as claimed in claim 18, wherein the communication program is used to transmit an identification information item for the pipe to the servlet.

20. The method as claimed in claim 19, wherein the identification information item includes at least one of a descriptor and a software address for the pipe.

21. The method as claimed in claim 14, wherein, while the client computer is connected to the server computer, a first access operation by the client computer to the server computer prompts a communication program of the servlet to start, and further access operations by the client computer to the server computer prompt monitoring of whether the communication program is currently running.

22. The method as claimed in claim 21, wherein the communication program is used to transmit an identification information item for the pipe to the servlet.

23. The method as claimed in claim 22, wherein the identification information item includes at least one of a descriptor and a software address for the pipe.

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24. The method as claimed in claim 2, wherein the connection includes a transfer channel, including at least part of at least one of the Internet and an intranet.

25. The apparatus as claimed in claim 9, wherein the servlet includes a communication program adapted to be executed upon a first access operation by the client computer on the server computer and adapted to be checked upon further access operations by the client computer to the server computer in order to determine whether it is currently running.

26. The apparatus as claimed in claim 25, wherein the communication program is adapted to be used to transmit an identification information item for the pipe to the servlet.

27. The apparatus as claimed in claim 26, wherein the identification information item includes at least one of a descriptor and a software address for the pipe.

28. A server computer for asynchronously transferring at least one message signal, comprising:

_____ at least one pipe, wherein the server computer is adapted to assign the at least one message signal, when it appears, a further message signal and is adapted to write the further message signal to the at least one pipe;

_____ at least one servlet, to which the further message signal is adapted to be transmitted via the pipe, wherein the further message signal is adapted to be transferred to a client computer by the server computer using the servlet.

29. An apparatus for asynchronously transferring at least one message signal from a server computer to at least one client computer, comprising:

_____ means for assigning the at least one message signal, when the at least one message signal appears on the server computer, at least one further message signal;

_____ means for writing the at least one further message signal to at least one pipe of the server computer;

_____ means for transmitting the at least one further message signal, via the at least one pipe, to at least one servlet of the server computer; and

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means for transferring the at least one further message signal from the at least one servlet to the client computer.